

WHAT IS CLAIMED IS:

1. A battery controller, comprising:
 - a push switch operable to be switched on and off;
 - a power switch connected to the push switch and operable to allow a leakage current to flow through the power switch based on input from the push switch;
 - a battery pack including a battery and a protection circuit module (PCM) for turning off the battery when the leakage current flows through the power switch; and
 - a charging circuit for charging the battery pack.
2. The battery controller of claim 1, wherein the PCM is operable to turn the battery on when the PCM detects that charging currents are being applied to the battery pack.
3. The battery controller of claim 2, wherein the battery pack is operable to receive the charging currents from a DC adapter connected to the battery pack when the battery is in an off state.
4. The battery controller of claim 1, wherein the battery of the battery pack includes a rechargeable battery comprising at least one of Lithium-ion, Lithium-ion polymer, and NiMH batteries.

5. The battery controller of claim 1, wherein the battery controller is disposed in a personal telecommunication device, and the push switch is operated via an opening in an outer surface of the personal telecommunication device.

6. The battery controller of claim 1, wherein the battery is turned off when the PCM of the battery pack detects the leakage current and accordingly an FET within the battery pack is turned off.

7. A battery controller, comprising:

a switch;

means connected to the switch operable to allow a leakage current to flow to a battery pack based on input from the switch;

the battery pack including a battery, means for detecting the leakage current, and means for turning off the battery when the leakage current is detected; and

means for charging the battery pack.

8. The battery controller of claim 7, wherein the battery controller is disposed in a personal telecommunication device, and the switch is operated via an opening in an outer surface of the personal telecommunication device.

9. The battery controller of claim 7, further including means for detecting charging currents applied to the battery pack from the means for charging the battery pack; and

means for turning on the battery on when the means for detecting charging currents detects that charging currents are being applied to the battery pack.

10. The battery controller of claim 7, wherein the means for charging the battery pack are connected with a DC adapter.